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CA 2390224 A1 2001/05/10

(21) **2 390 224**

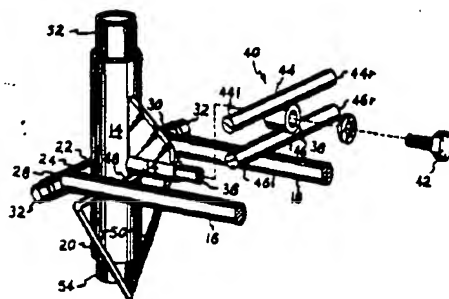
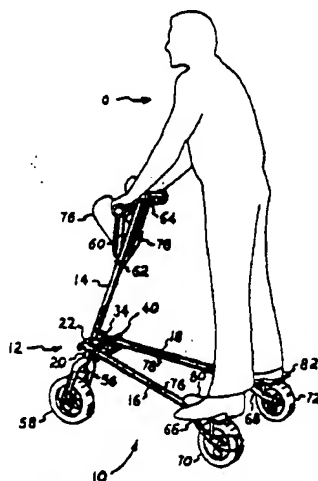
(12) **DEMANDE DE BREVET CANADIEN
CANADIAN PATENT APPLICATION**

(13) **A1**

(86) Date de dépôt PCT/PCT Filing Date : 2000/11/03
(87) Date publication PCT/PCT Publication Date: 2001/05/10
(85) Entrée phase nationale/National Entry: 2002/05/02
(86) N° demande PCT/PCT Application No.: US 2000/041844
(87) N° publication PCT/PCT Publication No.: 2001/032470
(30) Priorité/Priority: 1999/11/05 (09/434,371) US

(51) Cl.Int.⁷/Int.Cl.⁷ B62M 1/00
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(54) Titre : **VEHICULE ET MECANISME BASCULANTS**
(54) Title: **CAMBERING VEHICLE AND MECHANISM**



(57) **Abrégé/Abstract:**

A cambering vehicle includes a single steerable front wheel (58) and a pair of rear wheels (70, 72) at the rearward ends of trailing arms (16, 18) extending from the front structure. The two arms are articulated to the front structure, and move arcuately in plane parallel to the steering column. In one embodiment the arms are linked by a yoke (40), and traverse equal arcuate

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(57) **Abrégé(suite)/Abstract(continued):**

distances in opposite directions relative to one another. In another embodiment the yoke is replaced by a transverse link (140), with elastomer bushing (141, 143) connecting the link ends to their respective arms. The vehicle operates using the principle of conservation of angular momentum, with the vehicle travelling a sinusoidal path and the operator leaning to the inside of the turn. This moves the center of gravity of the vehicle and operator to the inside of the turn, thus accelerating vehicle and operator along the turning path to increase velocity of the device.